



2005 Population Estimates of New Hampshire Cities and Towns

Prepared by The

New Hampshire Office of Energy and Planning

Date of Publication: July 2006

The Office of Energy and Planning (OEP) is required by Law (RSA 78-A:25) to estimate the population of the State's municipalities on an annual basis. The law stipulates that the estimates be certified to the State Treasurer by August 19th and that they reflect population levels of the preceding year. Further, the law requires that the definition of resident be the same as that of the US Decennial Census.

The accompanying figures are **ESTIMATES** and are so labeled. Users of these figures should be aware that many of the data used to calculate the estimates were collected by local governmental units or school districts, for purposes other than accounting for population change. The methods which convert these data, such as school enrollments and building permits, into estimated population have been developed to reflect true population insofar as possible. Data used to calculate estimates in past years are subject to change. For this and other reasons, OEP strongly recommends that these estimates *not* be compared on a year to year basis.

Some communities may have estimating procedures that are different from the ones used by OEP. Also, some communities have established population figures based on their own enumeration (census) efforts. These local efforts can render highly accurate results. The OEP however uses a uniform estimating system, that is applied equally to all 234 communities. It is likely that if OEP staff were to estimate any one municipality on an individual basis, the resulting estimate would be different than the one contained herein.

The accompanying table shows the total population of NH's municipalities for 1990, 2000, and OEP's estimate for 2005. These figures are composed of the household population and persons living in group quarters. Group quarters populations consists of persons living in dormitories, some types of nursing homes, prisons, etc. Many municipalities have no group quarters populations. For the convenience of data users, the table shows *the 2005 group quarters population that is part of the total estimated population*.

Populations for unincorporated areas are not included in this report.

Anyone wishing further information regarding these estimates should contact the Office of Energy and Planning,
57 Regional Dr, Concord, New Hampshire 03301 - telephone (603) 271-2155.

Municipality	I----- Total Population -----I			2005	2005 Persons per Square Mile
	U.S. Census		OEP	Group	
	1990	2000	Estimate 2005	Quarters Pop	
Alton	3,286	4,502	4,991	0	78.1
Barnstead	3,100	3,886	4,507	0	105.1
Belmont	5,796	6,716	7,206	11	239.4
Center Harbor	996	996	1,082	9	81.4
Gilford	5,867	6,803	7,287	2	187.8
Gilmanton	2,609	3,060	3,430	7	59.5
Laconia	15,743	16,411	17,102	675	850.8
Meredith	4,837	5,943	6,350	161	157.6
New Hampton	1,606	1,950	2,131	3	57.9
Sanbornton	2,136	2,581	2,829	0	59.8
Tilton	3,240	3,477	3,637	255	319.0
Belknap Co.	49,216	56,325	60,552	1,123	150.4

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	----- Total Population -----			2005 Group Quarters Pop	2005 Persons per Square Mile
	U.S. Census		OEP Estimate 2005		
	1990	2000			
-----	-----	-----	-----	-----	-----
Albany	536	654	689	3	9.1
Bartlett	2,290	2,705	2,932	16	39.2
Brookfield	518	604	671	0	29.3
Chatham	268	260	270	0	4.8
Conway	7,940	8,604	9,192	154	131.9
Eaton	362	375	421	2	17.3
Effingham	941	1,273	1,425	118	36.6
Freedom	935	1,303	1,431	7	41.5
Harts Location	36	37	33	0	1.7
Jackson	678	835	872	13	13.1
Madison	1,704	1,984	2,242	0	57.9
Moultonboro	2,956	4,484	4,875	31	81.3
Ossipee	3,309	4,211	4,561	161	64.3
Sandwich	1,066	1,286	1,359	0	14.9
Tamworth	2,165	2,510	2,516	6	42.1
Tuftonboro	1,842	2,148	2,312	0	56.9
Wakefield	3,057	4,252	4,784	0	121.1
Wolfeboro	4,807	6,083	6,475	103	134.1
Carroll Co.	35,410	43,608	47,060	614	50.5

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	----- Total Population -----			2005	2005 Persons per Square Mile
	U.S. Census		OEP	Group	
	1990	2000	Estimate 2005	Quarters Pop	
-----	-----	-----	-----	-----	-----
Alstead	1,721	1,944	1,995	12	51.2
Chesterfield	3,112	3,542	3,771	0	82.7
Dublin	1,474	1,476	1,545	73	55.4
Fitzwilliam	2,011	2,141	2,275	1	65.8
Gilsum	745	777	810	7	48.5
Harrisville	981	1,075	1,106	0	59.1
Hinsdale	3,936	4,082	4,267	0	206.1
Jaffrey	5,361	5,476	5,755	161	149.9
Keene	22,430	22,563	23,023	2,578	620.6
Marlborough	1,927	2,009	2,102	0	103.0
Marlow	650	747	783	0	30.1
Nelson	535	634	656	0	30.0
Richmond	877	1,077	1,146	9	30.6
Rindge	4,941	5,451	6,130	1,342	165.2
Roxbury	248	237	242	0	20.2
Stoddard	622	928	992	0	19.5
Sullivan	706	746	785	0	42.4
Surry	667	673	739	0	47.1
Swanzey	6,236	6,800	7,229	11	161.0
Troy	2,097	1,962	2,021	0	115.5
Walpole	3,210	3,594	3,703	1	103.7
Westmoreland	1,596	1,747	1,865	302	51.9
Winchester	4,038	4,144	4,314	91	78.4
Cheshire Co.	70,121	73,825	77,254	4,588	109.2

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	I----- Total Population -----I			2005	
	U.S. Census		OEP	Group	2005
	1990	2000	Estimate	Quarters	Persons per
			2005	Pop	Square Mile
Berlin	11,824	10,331	10,503	578	170.8
Carroll	528	663	747	9	14.9
Clarksville	232	294	334	2	5.5
Colebrook	2,444	2,321	2,432	39	59.6
Columbia	661	750	833	3	13.6
Dalton	827	927	1,007	0	36.6
Dummer	327	309	327	2	6.8
Errol	292	298	347	3	5.7
Gorham	3,173	2,895	2,961	5	92.8
Jefferson	965	1,006	1,070	0	21.4
Lancaster	3,522	3,280	3,418	142	68.1
Milan	1,295	1,331	1,370	0	21.4
Northumberland	2,492	2,438	2,478	0	67.5
Pittsburg	901	867	933	1	3.3
Randolph	371	339	420	2	8.9
Shelburne	437	379	385	0	8.0
Stark	518	516	530	1	9.0
Stewartstown	1,048	1,012	1,019	106	21.9
Stratford	927	942	1,002	0	12.5
Whitefield	1,909	2,038	2,123	76	61.9
Coos Co.	34,693	32,936	34,239	969	27.6

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	Total Population			2005 Group Quarters Pop	2005 Persons per Square Mile
	U.S. Census		OEP		
	1990	2000	Estimate 2005		
Alexandria	1,190	1,329	1,472	0	33.8
Ashland	1,915	1,955	2,030	0	179.6
Bath	784	893	943	0	24.7
Benton	330	314	333	108	6.9
Bethlehem	2,033	2,199	2,407	25	26.5
Bridgewater	796	974	1,029	0	47.9
Bristol	2,537	3,033	3,185	27	186.3
Campton	2,377	2,719	3,039	0	58.6
Canaan	3,045	3,319	3,518	0	66.0
Dorchester	392	353	382	0	8.6
Easton	223	256	290	0	9.3
Ellsworth	74	87	87	0	4.1
Enfield	3,979	4,618	4,857	12	120.5
Franconia	811	924	1,018	81	15.5
Grafton	923	1,138	1,203	0	28.9
Groton	318	456	496	0	12.2
Hanover	9,212	10,850	11,037	3,953	224.8
Haverhill	4,164	4,416	4,677	285	91.3
Hebron	386	459	539	0	31.9
Holderness	1,694	1,930	2,029	22	66.5
Landaff	350	378	391	0	13.8
Lebanon	12,183	12,568	13,421	305	333.0
Lincoln	1,229	1,271	1,310	0	10.0
Lisbon	1,664	1,587	1,698	0	64.1
Littleton	5,827	5,845	6,281	71	125.6
Lyman	388	487	547	0	19.3
Lyme	1,496	1,679	1,724	10	32.0
Monroe	746	759	806	0	36.0
Orange	237	299	311	0	13.5
Orford	1,008	1,091	1,177	0	25.4
Piermont	624	709	725	0	18.8
Plymouth	5,811	5,892	6,387	1,997	226.5
Rumney	1,446	1,480	1,570	17	37.4
Sugar Hill	464	563	639	0	37.4
Thornton	1,505	1,843	2,084	1	41.4
Warren	820	873	932	0	19.2
Waterville Valley	151	257	278	0	4.3
Wentworth	630	798	871	0	20.8
Woodstock	1,167	1,139	1,200	0	20.5
Grafton Co.	74,929	81,740	86,923	6,914	52.7

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	Total Population			2005	2005 Persons per Square Mile
	U.S. Census		OEP	Group	
	1990	2000	Estimate 2005	Quarters Pop	
Amherst	9,068	10,769	11,527	0	340.0
Antrim	2,360	2,449	2,604	10	72.9
Bedford	12,563	18,274	20,738	487	632.3
Bennington	1,236	1,401	1,500	0	131.6
Brookline	2,410	4,181	4,755	0	238.9
Deering	1,707	1,875	2,049	79	67.0
Francestown	1,217	1,480	1,581	0	53.1
Goffstown	14,621	16,929	17,804	2,082	479.9
Greenfield	1,519	1,657	1,774	159	66.9
Greenville	2,231	2,224	2,268	0	328.7
Hancock	1,604	1,739	1,818	0	60.6
Hillsborough	4,498	4,928	5,674	36	129.8
Hollis	5,705	7,015	7,626	0	239.8
Hudson	19,530	22,928	24,559	186	861.7
Litchfield	5,516	7,360	8,124	0	545.2
Lyndeborough	1,294	1,585	1,785	1	59.1
Manchester	99,567	107,006	109,966	2,728	3,332.3
Mason	1,212	1,147	1,307	0	54.5
Merrimack	22,156	25,119	26,609	88	816.2
Milford	11,795	13,535	14,860	129	585.0
Mont Vernon	1,812	2,034	2,356	20	140.2
Nashua	79,662	86,605	87,986	1,555	2,856.7
New Boston	3,214	4,138	4,968	7	115.5
New Ipswich	4,014	4,289	4,945	25	151.2
Pelham	9,408	10,914	12,485	0	474.7
Peterborough	5,239	5,883	6,134	332	161.4
Sharon	299	360	383	0	24.4
Temple	1,194	1,297	1,518	18	68.1
Weare	6,193	7,776	8,854	1	149.8
Wilton	3,122	3,743	3,995	0	156.1
Windsor	107	201	239	86	29.1
Hillsborough Co	336,073	380,841	402,791	8,029	459.2

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	----- Total Population -----			2005 Group Quarters Pop	2005 Persons per Square Mile
	U.S. Census		OEP Estimate 2005		
	1990	2000			
Allenstown	4,649	4,843	5,032	35	245.5
Andover	1,883	2,109	2,219	14	55.2
Boscawen	3,586	3,672	3,848	448	154.5
Bow	5,500	7,138	7,805	0	276.8
Bradford	1,405	1,454	1,565	21	44.5
Canterbury	1,687	1,979	2,235	3	50.9
Chichester	1,942	2,236	2,482	5	117.1
Concord	36,006	40,687	42,221	3,264	659.7
Danbury	881	1,071	1,179	0	31.2
Dunbarton	1,759	2,226	2,521	0	81.9
Epsom	3,591	4,021	4,512	121	130.8
Franklin	8,304	8,405	8,686	202	313.6
Henniker	4,151	4,433	4,955	710	112.4
Hill	814	992	1,083	0	40.6
Hooksett	8,767	11,721	13,240	1,048	365.7
Hopkinton	4,806	5,399	5,630	0	130.0
Loudon	4,114	4,481	5,048	2	109.7
Newbury	1,347	1,702	2,020	0	56.4
New London	3,180	4,116	4,438	850	198.1
Northfield	4,263	4,548	4,911	59	171.7
Pembroke	6,561	6,897	7,352	0	325.3
Pittsfield	3,701	3,931	4,362	6	181.0
Salisbury	1,061	1,137	1,257	0	31.7
Sutton	1,457	1,544	1,769	13	41.5
Warner	2,250	2,760	2,953	117	53.5
Webster	1,405	1,579	1,761	4	62.2
Wilmot	935	1,144	1,276	0	43.4
Merrimack Co.	120,005	136,225	146,360	6,922	156.7

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	----- Total Population -----			2005 Group Quarters Pop	2005 Persons per Square Mile
	U.S. Census		OEP		
	1990	2000	Estimate 2005		
Atkinson	5,188	6,178	6,562	4	585.9
Auburn	4,085	4,682	5,177	7	203.0
Brentwood	2,590	3,197	4,105	489	241.5
Candia	3,557	3,911	4,110	0	135.6
Chester	2,691	3,792	4,617	82	177.6
Danville	2,534	4,023	4,492	3	387.2
Deerfield	3,124	3,678	4,272	50	84.1
Derry	29,603	34,021	34,655	247	979.0
East Kingston	1,352	1,784	2,108	0	212.9
Epping	5,162	5,476	5,980	8	229.1
Exeter	12,481	14,058	14,563	351	735.5
Fremont	2,576	3,510	4,075	42	235.5
Greenland	2,768	3,208	3,391	20	323.0
Hampstead	6,732	8,297	8,642	50	644.9
Hampton	12,278	14,937	15,394	222	1,115.5
Hampton Falls	1,503	1,880	2,037	0	164.3
Kensington	1,631	1,893	2,074	0	172.8
Kingston	5,591	5,862	6,191	0	311.1
Londonderry	19,781	23,236	24,673	10	587.5
New Castle	840	1,010	1,035	11	1,293.8
Newfields	888	1,551	1,634	0	230.1
Newington	990	775	802	26	97.8
Newmarket	7,157	8,027	9,306	43	738.6
Newton	3,473	4,289	4,484	0	457.6
North Hampton	3,637	4,259	4,509	0	324.4
Northwood	3,124	3,640	3,982	3	141.7
Nottingham	2,939	3,701	4,371	0	94.0
Plaistow	7,316	7,747	7,817	11	737.5
Portsmouth	25,925	20,784	20,995	628	1,337.3
Raymond	8,713	9,674	10,639	10	369.4
Rye	4,612	5,182	5,264	111	417.8
Salem	25,746	28,112	29,941	38	1,207.3
Sandown	4,060	5,143	5,851	34	417.9
Seabrook	6,503	7,934	8,403	0	933.7
South Hampton	740	844	892	0	112.9
Stratham	4,955	6,355	7,131	0	472.3
Windham	9,000	10,709	12,565	136	470.6
Rockingham Co	245,845	277,359	296,739	2,636	425.7

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	I----- Total Population -----			2005	2005 Persons per Square Mile
	U.S. Census		OEP	Group	
	1990	2000	Estimate 2005	Quarters Pop	
-----	-----	-----	-----	-----	-----
Barrington	6,164	7,475	8,175	8	175.1
Dover	25,042	26,884	28,728	804	1,076.0
Durham	11,818	12,664	13,443	4,768	600.1
Farmington	5,739	5,774	6,710	27	183.8
Lee	3,729	4,145	4,436	28	221.8
Madbury	1,404	1,509	1,748	0	152.0
Middleton	1,183	1,440	1,710	2	94.5
Milton	3,691	3,910	4,372	0	132.1
New Durham	1,974	2,220	2,488	1	60.1
Rochester	26,630	28,461	30,684	285	684.9
Rollinsford	2,645	2,648	2,662	0	364.7
Somersworth	11,249	11,477	11,880	33	1,212.2
Strafford	2,965	3,626	3,985	9	81.3
Strafford Co.	104,233	112,233	121,021	5,965	329.5

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

Municipality	I----- Total Population -----			2005 Group Quarters Pop	2005 Persons per Square Mile
	U.S. Census		OEP Estimate 2005		
	1990	2000			
-----	-----	-----	-----	-----	-----
Acworth	776	836	882	0	22.7
Charlestown	4,630	4,749	4,941	20	138.0
Claremont	13,902	13,151	13,124	206	304.5
Cornish	1,659	1,661	1,715	1	40.8
Croydon	627	661	750	1	20.4
Goshen	742	741	809	8	36.1
Grantham	1,247	2,167	2,438	0	89.6
Langdon	580	586	616	0	37.8
Lempster	947	971	1,076	0	33.3
Newport	6,110	6,269	6,395	118	147.0
Plainfield	2,056	2,241	2,420	0	46.4
Springfield	788	945	1,057	0	24.2
Sunapee	2,559	3,055	3,229	0	153.0
Unity	1,341	1,530	1,652	236	44.6
Washington	628	895	957	0	21.0
Sullivan Co.	38,592	40,458	42,061	590	78.2
N.H.	1,109,117	1,235,550	1,315,000	38,350	156.5

Population of unincorporated places not included in this report

Water area not included in persons per sq. mi calculations

Group Quarters population is included in total population

OEP ESTIMATE METHODOLOGY

DWELLING UNIT METHOD

The official estimates of population are based on a dwelling unit method. The method attempts to translate permits issued for new dwellings, into estimated population.

The 2000 US Census serves as a benchmark; changes in the number of dwellings are used to update the dwelling unit counts by the US Census. Two rates are used to convert the estimated number of dwellings into estimated population. These rates are population per household and occupancy rates. These rates vary considerably by housing type. For this reason, data and calculations are divided into; single family, multi-family and manufactured housing types.

The two rates, by type, are calculated for each municipality using the 2000 US Census.

The dwelling unit calculations estimate household population. Group Quarters population, persons living in dormitories, prisons, etc, are estimated using the 2000 census and updated with an annual OEP survey of establishments known to have group quarters population.

Usually the individual municipal estimates are proportionately adjusted to an existing estimated state total. This state total is prepared with the state as a single statistical entity. In turn, this state total results from an adjustment to conform to a national total. The state total is prepared by the Federal-State Cooperative Program for Population Estimates (FSCPE). **However the 2003 OEP municipal estimates were NOT controlled to the FSCP state total.**

The 2002 calculations of the dwelling unit method for the Town of Alton appear below:

	(Census) 2000 Total <u>Units</u>	Permits Issued to <u>2002</u>	Percent of Units <u>Occupied</u>	2003 Occupied <u>Units</u>
Single Family	3,133	124	.4868	1,586
Multi-Family	200	6	.7950	164
Mfg. Units	189	6	.7460	145

	Population Per <u>H'Hold w/adjust.</u>	2002 Est. <u>Population</u>	
Single Family	2.52	3,995	
Multi-Family	2.53	414	
Mfg. Units	1.87	272	
		0	'02 Est. Group Quarters Pop.
		<u>+12</u>	State Total Adjustment (1.002563 for 2002 Estimate)
		4,693	

SCHOOL ENROLLMENT METHOD

The official OEP population estimates are based on the dwelling unit method. However, a school enrollment method is closely monitored to evaluate results based on dwelling unit data. The school enrollment method attempts to use a "known population" - school aged persons - to estimate an "unknown population," persons aged birth to 64 years inclusive. The population aged 65 years and over is estimated using medicare data. The population in group quarters is estimated in the same way as in the dwelling unit method (see above).

The 2000 census serves as a benchmark to convert school enrollment and medicare data into estimated population. The decennial census is used to calculate the ratio between the school aged population and the population aged birth to 64 years. This ratio will be adjusted through the oughts to account for shifts in age structure. This adjustment will be

based on state population estimates by age issued by the Bureau of the Census.

Using Alton as an example, the calculation for the school enrollment method appears below:

Calculate relationship between school enrollment and census.

Adjust school enrollment to 2000 census count.

$$\frac{\text{Pop 6\&17 yrs 2000 census}}{\text{School Enrollment 1999\&00}} \cdot \frac{745}{705} = 1.0567$$

$$\begin{array}{r} \text{School Enrollment 01 - '02} = 738 \\ \times \frac{1.0567}{780} \\ \hline \end{array} \quad \text{(Adjusted school population)}$$

Calculate relationship between age groups 6-17 and birth to 64 years.

$$\frac{(\text{Census}) 2000 \text{ Pop. Birth\&64 Years}}{(\text{Census}) 2000 \text{ Pop. 6\&17 Years}} \cdot \frac{3807}{745} = 5.1101$$

The 2000 census indicates that there were 5.1101 persons aged birth to 64 years for everyone aged 6 - 17 years. In the future, state estimates by age, will be used to change this ratio according to indicated shifts in age structure of the state.

Estimate Birth to 64 population for 2002 by multiplying the adjusted school enrollment by adjusted age ratio:

$$\begin{array}{r} \text{Adjusted '02 school enrollment} \quad 780 \\ \text{Adjusted age ratio} \quad \times 5.1101 \\ \hline \text{2002 estimated pop. B - 64 yrs.} \quad \mathbf{3,986} \end{array}$$

Using medicare enrollment, the county's 2002 pop. 65+, was estimated to be 8,766. In 2000, Alton's population 65 years old and over was 695, this was 8.1803% of Belknap County's total. Applying this percentage to the county estimate of persons over 65 produces a 2002 estimate for Alton's 65+ population:
 $8,766 \times .081803 = \mathbf{717}$ (Alton 2002 pop. 65+.)

Change 2000 to 2002 of Alton's Group Quarters Population = 0

$$\begin{array}{r} \text{Estimated Alton Pop. Birth - 64 Yrs.} \quad 3,986 \\ \text{Estimated Alton Pop. 65+} \quad 717 \\ \text{Change in Group Quarters} \quad \underline{0} \\ \text{Raw 2002 Estimated Pop.} \quad \mathbf{4,703} \end{array}$$

$$\begin{array}{r} \text{State Total Adjustment} \quad \underline{106} \quad (4,703 \times 1.022546) \\ \text{Adjusted Alton 2000 Estimated Pop.} \quad \mathbf{4,809} \end{array}$$

Again, this figure is used to evaluate the outcome of the dwelling unit method.